

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **06316584 A**(43) Date of publication of application: **15.11.94**

(51) Int. Cl.

C07F 7/18
C07B 53/00
C07C 67/333
C07C 67/343
C07C 69/732
C07C 69/734
C07C 69/738
C07D309/30
C07D319/06
// C07B 61/00

(21) Application number: **05233018**(22) Date of filing: **20.09.93**

(30) Priority: **21.09.92 JP 04251413**
22.01.93 JP 05 9489
09.03.93 JP 05 47878

(71) Applicant: **SAGAMI CHEM RES**
CENTER/NISSAN CHEM IND LTD

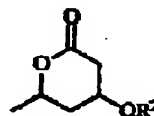
(72) Inventor: **HIYAMA TAMEJIROU**
MINAMI TATSUYA
TAKAHASHI KYOKO
MIYAJI NOBUHIDE
OBARA YOSHIO

(54) 6-HEPTYNOIC ACID AND HEPTENOIC ACID
COMPOUND

(57) Abstract

PURPOSE: To obtain a compound which is a hydroxymethylglutaryl-CoA (HMG-CoA) reductase inhibitor, having a specific structure and useful producing a therapeutic agent such as a therapeutic agent for hypercholesterolemia.

CONSTITUTION: The compound is expressed by formula I [Z is expressed by formula II or III [A is CO or CHOR¹ (R¹ is H or a protecting group of OH); B is CO or CHOR² (R² is the same as R¹; R¹, together with R², may form a ring); R³ is H, a 1-8C alkyl, aralkyl, aryl, etc.]; R⁶ is H or a protecting group of triple bond]. Furthermore, the 6-heptanoic acid compound expressed by formula IV (L is a 1-9C alkyl, alkylene, aralkyl, etc.) is preferably prepared by hydrometalating the compound expressed by formula I.

**I****II****III****IV**

COPYRIGHT: (C)1994,JPO